

Notice of Allowability**Application No.**

09/870,621

Examiner

DENNIS G. BONSHOCK

Applicant(s)

BROUSSARD, SCOTT J.

Art Unit

2173

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERIT IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Decision on Appeal rendered March 31, 2008 and the Examiner's Answer of 3-9-2009.
2. ☒ The allowed claim(s) is/are 1-25.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date See Continuation Sheet
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 3-10-09
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/Dennis G. Bonshock/
Primary Examiner, Art Unit 2173

3-10-09

Continuation of Attachment(s) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date: 10-30-2008 and 12-4-2008.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jill Poinboeuf on 3-9-2009. Jill Poinboeuf (Reg. No.: 62086) is an IBM "in house" attorney and is the current Attorney of record as confirmed by Mollie Lettang (Reg. No.: 48405), the previous attorney of record and by IBM in house counsel representative Doug Lashmith.

The application has been amended as follows:

Please replace claim 1 with:

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1. A system of software components stored on a computer-readable medium adapted to display an object created by an application program running under an operating system by reproducing the behavior of legacy AWT-based controls by switching between swing controls, wherein the system of software components comprises:

a first swing proxy component;

a second swing proxy component;

a peer component for selecting either the first proxy component or the second proxy component, depending on a mode of use of the object, where selection is based upon which swing component is capable of supporting the mode of use, wherein the selection can be made during runtime, and wherein after the proxy component is selected,

the selected proxy component dynamically creates a new graphics resource component for displaying the object, such that the appearance of the displayed object is substantially independent of the operating system.

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Please replace claim 13 with:

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13. A method for displaying an object created by an application program running under an operating system, by reproducing the behavior of legacy AWT-based controls by switching between swing controls, using at least one of a system of software components stored on a computer-readable medium, which can be invoked during runtime to generate a graphical representation of the object that is substantially independent of the operating system, the method performed by the application program and comprising:

activating a first swing proxy component of the system of software component to dynamically generate a first graphical representation of the object during runtime;

monitoring the mode of use of the object, and

upon detecting a change in the mode of use of the object, if it is detected that the activated proxy is not capable of supporting the new mode of use, deactivating the first swing proxy component and activating a second swing proxy component of the system of software components to dynamically generate a second graphical representation of the

object during runtime, wherein the second graphical representation is distinct from the first.

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Please replace claim 25 with:

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25. A computer-readable storage device, comprising:
- a windows-based operating system;
 - an application program running under the operating system;
 - an object created at runtime by the application program and adapted for multiple modes of use by the application program, wherein the application program is adapted for:
 - reproducing the behavior of legacy AWT-based controls by switching between swing controls;
 - activating a first swing proxy component of the system of software component to dynamically generate a first graphical representation of the object during runtime;
 - monitoring the mode of use of the object, and
 - upon detecting a change in the mode of use of the object, if it is detected that the activated proxy is not capable of supporting the new mode of use, deactivating the first swing proxy component and activating a second swing proxy component to dynamically generate a second graphical representation of the object during runtime, wherein the

second graphical representation is substantially independent of the operating system and distinct from the first graphical representation.

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:
2. The examiner considered the Decision on Appeal rendered March 31, 2008 and the Examiner's Answer of 3-9-2009 and after updated search, no other prior art of record has taught that which was presented in the amended claims
3. Therefore, claims 1-25 are allowable.
4. Independent claims 1, 13, and 25 when considered as a whole, are allowable over the prior art of record (WinZip, Java, and Fults). WinZip teaches, on pages 3 and 4 a system of software components adapted to display text running under an operating system, in which selection of the mask password check box displays the text with one or two software components namely masked ("*****") or unmasked ("password"), the selection of which is made at runtime. Java teaches a system of masking passwords similar to that of WinZip using the Swing API and namely the JPasswordField and JTextField (see Java Platform 1.2 Beta 4 API Specification: Class JPasswordField and Class JTextField), but further teaches a system independent display (see IS page 1 paragraphs 1 and 5). WinZip and Java, are further supplemented by Fults who teaches a system which generates the interface based on a selection by the user (see column 3, lines 27-52) similar to that of WinZip and Java, Fults, however,

further teaches taking hints from a user and using the hints to direct the interface generation to an appropriate user interface implementation (see column 3, lines 33-51, figure 2, and the abstract).

Fults further teaches, in column 20, lines 24-34, that libraries are dynamically loaded into memory when needed by the application. However, specifically the prior art of record fails to clearly teach or support the limitations of *a system for reproducing the behavior of legacy AWT-based controls by switching between Swing controls, wherein selection of a first or second swing proxy component during runtime, where selection is dependent on a mode of use of the object where if it is detected that the activated proxy is not capable of supporting the new mode of use deactivating the first swing proxy component and activating the second proxy component, and where the appearance of the displayed object is substantially independent of the operating system.*

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DENNIS G. BONSHOCK whose telephone number is (571)272-4047. The examiner can normally be reached on Monday - Friday, 6:30 a.m. - 4:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dennis Chow can be reached on (571) 272-7767. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dennis G. Bonshock/
Primary Examiner, Art Unit 2173
3-10-09
dgb